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<110> TAVITIAN, BERTRAND
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 DE FRANCISCIS, VITTORIO
 CERCHIA, LAURA

<120> APTAMERS SELECTED FROM LIVE TUMOR CELLS AND THE USE THEREOF

<130> 296551US

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<160> 54

<170> PatentIn version 3.3

<210> 1

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<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

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gggagacaag aaauaacgcu caa

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 2

aacgacagga ggcucacaac agga

24

<210> 3

<211> 50

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 3
gcgcgggaau aguauggaag gauacguaua ccgugcaauc cagggcaacg 50

<210> 4
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<212> RNA
<213> Artificial Sequence

<220>
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oligonucleotide

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<211> 50
<212> RNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 5
ggccauagcg caccaccaag agcaaauccc uaagcgcgac ucgagugagc 50

<210> 6
<211> 50
<212> RNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 6
gggccaaucg aagccgguaa uucccaaacu aacgugcaaa cugcaccgcg 50

<210> 7
<211> 49
<212> RNA
<213> Artificial Sequence

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oligonucleotide

<400> 7
gcgguaugua gggauagca cuuuuuuugc guauaccuac accgcagcg 49

<210> 8
 <211> 50
 <212> RNA
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 <400> 8
 aggcgagccc gaccacguca guaugcuaga caacaacgcc cgcgugguac 50

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 <211> 51
 <212> RNA
 <213> Artificial Sequence

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 oligonucleotide

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 ccccgcuuuu ugacgugauc gaacgcguau caguaacguc agcagucgag c 51

 <210> 10
 <211> 51
 <212> RNA
 <213> Artificial Sequence

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 oligonucleotide

 <400> 10
 caaagcgugu auucucguga gccgaccauc guugcgaaca uccccggaac g 51

 <210> 11
 <211> 48
 <212> RNA
 <213> Artificial Sequence

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 <400> 11
 gacccguaug aagguggcgc aggacacgac cgucugcaau gagcgagc 48

 <210> 12
 <211> 50
 <212> RNA

<213> Artificial Sequence

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oligonucleotide

<400> 12
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<210> 13
<211> 50
<212> RNA
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oligonucleotide

<400> 13
ggcuuacacg gagaaacaag agagcggccc aaacuugauu gacaguggcc 50

<210> 14
<211> 49
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 14
ggcccuuaac gcaaaaacga aggaucacug auugaucgcc uuaugggcu 49

<210> 15
<211> 48
<212> RNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<400> 15
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<210> 16
<211> 40
<212> DNA
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primer

<400> 16	
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<210> 17	
<211> 24	
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<400> 17	
tcctgttggtg agcctcctgt cggt	24
<210> 18	
<211> 24	
<212> RNA	
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<210> 21
 <211> 33
 <212> RNA
 <213> Artificial Sequence

 <220>
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 <400> 21
 accgcagcga acgacaggag gcucacaaca gga 33

 <210> 22
 <211> 97
 <212> RNA
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 <220>
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 oligonucleotide

 <400> 22
 gggagacaag aaauaacgcu caagcgcggg aaugaugg aaggauacgu auaccgugca 60
 auccagggca acgaacgaca ggaggcucac aacagga 97

 <210> 23
 <211> 34
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 <213> Artificial Sequence

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 oligonucleotide

 <400> 23
 cgcgggaaua gaauggaagg auacguauac cgug 34

 <210> 24
 <211> 24
 <212> RNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 24
 guagggaaua gcacguauac cuac 24

 <210> 25
 <211> 96
 <212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 25

gggagacaag aaauaacgcu caagcggau guagggaua gcacuuuuu ugcguauacc 60

uacaccgcag cgaacgacag gaggcucaca acagga 96

<210> 26

<211> 7

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 26

gcggau 7

<210> 27

<211> 15

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 27

caauccagg caacg 15

<210> 28

<211> 9

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 28

accgcagcg 9

<210> 29

<211> 8

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29
uggaagga 8

<210> 30
<211> 7
<212> RNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 30
cuuuuuu 7

<210> 31
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 31
gggagacaag aaauaacgcu caaaggcgag cccgaccag ucaguaugcu agacaacaac 60
gcccgcgugg uacaacgaca ggaggcucac aacagga 97

<210> 32
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32
gggagacaag aaauaacgcu caagggcuuc auaagcuaca ccggccaacg cagaaaugcc 60
uuaagcccga guuaacgaca ggaggcucac aacagga 97

<210> 33
<211> 96
<212> RNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 33
 gggagacaag aaauaacgcu caaggcccuu aacgcaaaaa cgaaggauca ucgauugauc 60
 gccuuauggg cuaacgacag gaggcucaca acagga 96

<210> 34
 <211> 29
 <212> RNA
 <213> Artificial Sequence

<220>
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<220>
 <221> modified_base
 <222> (1)
 <223> c, g, a, u or not present

<220>
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 <222> (2)..(5)
 <223> c, g, a, or u

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 <222> (13)..(14)
 <223> c, g, a, or u

<220>
 <221> modified_base
 <222> (15)
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<220>
 <221> modified_base
 <222> (16)..(17)
 <223> c, g, a, u or not present

<220>
 <221> modified_base
 <222> (18)..(24)
 <223> May or may not be present

<220>
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 <222> (25)..(28)
 <223> c, g, a, u or not present

<220>
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 <222> (29)
 <223> c, g, a, u or not present

<220>
 <223> See specification as filed for detailed description of
 substitutions and preferred embodiments

<400> 34
 nnnnnggaau agnnnnncgu auacnnnnn 29

<210> 35
 <211> 26
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(4)
 <223> c, g, a, or u

<220>
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 <222> (12)..(15)
 <223> c, g, a, or u

<220>
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 <222> (23)..(26)
 <223> c, g, a, or u

<220>
 <223> See specification as filed for detailed description of
 substitutions and preferred embodiments

<400> 35
 nnnnnggaaua gnnnnncguau acnnnnn 26

<210> 36
 <211> 97
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
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 <222> (25)..(74)
 <223> a, c, g, t, unknown or other

<400> 36
 tcctgttgtg agcctcctgt cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnttgagc gtttattctt gtctccc 97

<210> 37
<211> 114
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (25)..(74)
<223> a, c, g, t, unknown or other

<400> 37
tcctgttggtg agcctcctgt cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnttgagc gtttattctt gtctccctat agtgagtcgt atta 114

<210> 38
<211> 114
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
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<222> (41)..(90)
<223> a, c, g, t, unknown or other

<220>
<223> See specification as filed for detailed description of
substitutions and preferred embodiments

<400> 38
taatacgact cactataggg agacaagaat aaacgctcaa nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aacgacagga ggctcacaac agga 114

<210> 39
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39

ttgagcgttt attcttgtct ccc	23
<210> 40	
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aacgacagga ggctcacaac agga	24
<210> 41	
<211> 40	
<212> DNA	
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ttgagcgttt attcttgtct ccctatagtg agtcgtatta	40
<210> 42	
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gggagacaag aataaacgct caa	23
<210> 43	
<211> 40	
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taatacgact cactataggg agacaagaau aaacgcucaa	40

<210> 44
<211> 24
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oligonucleotide

<400> 44
aacgacagga ggcucacaac agga

24

<210> 45
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 45
ggccatagcg caccaccaag agcaaattccc taagcgcgac tcgagtgagc

50

<210> 46
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 46
aggcgagccc gaccacgtca gtatgctaga caacaacgcc cgcgtggtac

50

<210> 47
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47
gggccaatcg aagccggtaa ttcccaaact aacgtgcaaa ctgcacccgc

50

<210> 48
<211> 50
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 48
ggcttacacg gagaaacaag agagcggccc aaacttgatt gacagtggcc 50

<210> 49
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 49
ccgacctgta cagcagttag ttacacgttt gaaacaaccg gcgttcgagc 50

<210> 50
<211> 51
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 50
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<210> 51
<211> 51
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 51
caaagcgtgt attctcgtga gccgaccatc gttgcgaaca tccccggaac g 51

<210> 52
<211> 48
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 52
ccgcggtctg tgggaccctt caggatgaag cggcaacca tgcgggcc 48

<210> 53
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 53
gcggtatgta gggaaatagca ctttttttgc gtatacctac accgcagcg 49

<210> 54
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 54
gcgcggggaat agtatggaag gatacgtata ccgtgcaatc cagggcaacg 50